

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 06283186  
PUBLICATION DATE : 07-10-94

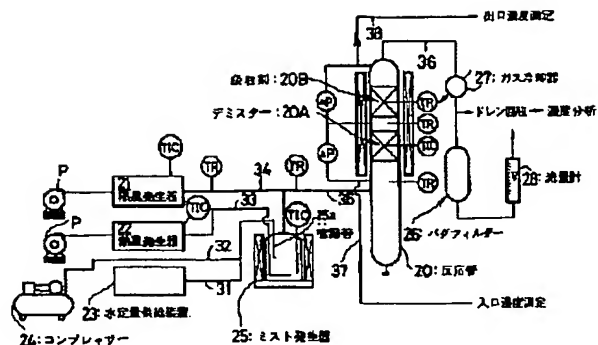
APPLICATION DATE : 25-03-93  
APPLICATION NUMBER : 05066560

APPLICANT : YOUYUU TANSANENGATA NENRYO  
DENCHI HATSUDEN SYST GIJUTSU  
KENKYU KUMIAI;

INVENTOR : OGAWA HIROYUKI;

INT.CL. : H01M 8/04

TITLE : PROCESSING OF FUEL EXHAUST  
GAS OF MOLTEN CARBONATE FUEL  
CELL AND DEVICE THEREFORE



ABSTRACT : PURPOSE: To easily and effectively remove mist and steam by connecting a fuel exhaust gas with a demister to remove the mist of molten salt, and then by bringing the gas into contact with an absorbent to remove very small mist.

CONSTITUTION: The steam in a water quantifier 23 is atomized by a mist generator 25, and mist and steam are introduced from a piping 35 into a reaction pipe 20 along with a carrier gas from a piping 34. After the mist of molten salt is removed through the process by a demister 20A, the mist and the steam are processed by an absorbent 20B, and the processed gas is discharged from a piping 36. The mist of molten salt and the steam in a fuel exhaust gas are thus removed effectively. Laminated screens are layered and filled for the demister 20A, while  $\text{TiO}_2$  particles are filled for the adsorbent 20.

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